

ABSTRACT

A system and method for multi-spectral image capture of a first scene includes acquiring a first series of images of the first scene with one or more image acquisition systems and filtering each of the first series of images of the
5 scene with a different non-interference filter, illuminating each image of the first series of images with a different illuminant, or acquiring each of the images of the first series of images with a different image acquisition system. Each of the image acquisition systems has at least one color channel, each of the non-interference filters has a different spectral transmittance, and each of the illuminants has a
10 different spectral power distribution.

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